

**What we claim is**

1. Lens checking apparatus for the optical control of ophthalmic lenses, preferably contact lenses, comprising a container (2) to receive a lens to be examined, an illuminating device with at least one light source (5) which emits a light beam, and a condenser (7) to illuminate the lens and an image receiving device to receive the image of the lens, whereby the light beam from the light source (5) has a predetermined wavelength and a CCD camera (8) is provided as the image receiving device.
2. Lens checking apparatus according to claim 1, whereby the light source (5) has a wavelength in the region of  $\lambda = 600 - 1000 \text{ nm}$ .
3. Lens checking apparatus according to claim 1 or 2, whereby a light-emitting diode (LED) is provided as the light source (5).
4. Lens checking apparatus according to claim 3, whereby an IR diode is provided as the light source (5).
5. Lens checking apparatus according to claim 4, whereby the IR diode has a wavelength of  $\lambda = 880 \text{ nm}$ .
6. Lens checking apparatus according to one or more of claims 1 to 5, whereby a cut-on filter (11) is provided in front of the CCD camera (8).
7. Lens checking apparatus according to one or more of claims 1 to 6, whereby a high-resolution CCD camera (8) is used.
8. Lens checking apparatus according to one or more of claims 1 to 7, whereby the CCD camera (8) is movable by means of an x-y cradle (13).
9. Lens checking apparatus according to one or more of claims 1 to 7, whereby the CCD camera (8) is movable by means of an x-y-z cradle (13).

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11. Lens checking apparatus according to one or more of claims 1 to 10, whereby the CCD camera (8) is linked to a computer (9), the image of the lens (3) taken by the CCD camera (8) being stored in the computer (9), and testing of the lens (3) being carried out by means of an automatic software-supported image analysis system.

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